

-1- (WPAT)

TITLE

Primary cell zinc electrode - manufactured by drying  
zinc oxide, polyvinyl alcohol and zinc dust mixture  
A85 L03 X16

DERWENT CLASSES

PATENT ASSIGNEE

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SECONDARY INT'L. CLASS.

H01M-035/18 H01M-043/02

ABSTRACT

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The zinc electrodes for a chemical current source are  
prepd. by mixing zinc oxide, with zinc dust and  
polyvinyl alcohol and passing the mixt. repeatedly  
through a sieve. After drying the compsn. can be  
pressed on to the current lead. The mfrg. process  
can be simplified if the viscous mixt. of zinc oxide,  
zinc dust and polyvinyl alcohol is dried to a  
moisture content of 12-15% and then passed through a  
1 mm mesh sieve. The resulting granular material is  
dried to a moisture content of 0.1-0.5% and passed  
through a 2 mm. mesh sieve. The final pressing  
operation then takes place. This process produces  
electrodes of high uniformity and a stable mass per  
unit volume.